1157

RAW SEQUENCE LISTING

DATE: 01/14/2002 TIME: 09:53:02

PATENT APPLICATION: US/09/972,912

2.00,00,00,00

Input Set : N:\Crf3\RULE60\09972912.raw
Output Set: N:\CRF3\01142002\I972912.raw

SEQUENCE LISTING

```
3 (1) GENERAL INFORMATION:
             (i) APPLICANT: SOPPET, DANIEL R.
                            RUBEN, STEVEN M.
     6
            (ii) TITLE OF INVENTION: CARDIAC AND PANCREATIC PROTEIN AND GENE
     8
           (iii) NUMBER OF SEQUENCES: 42
     10
            (iv) CORRESPONDENCE ADDRESS:
     12
                  (A) ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
     13
                  (B) STREET: 1100 NEW YORK AVENUE, SUITE 600
     14
                  (C) CITY: WASHINGTON
     15
                  (D) STATE: DC
     16
                  (E) COUNTRY: US
     17
                                                               (F) ZIP: 20005-3934
     18
             (V) COMPUTER READABLE FORM:
     20
                  (A) MEDIUM TYPE: Floppy disk
     21
                  (B) COMPUTER: IBM PC compatible
     22
                  (C) OPERATING SYSTEM: PC-DOS/MS-DOS
     23
                  (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
     24
            (vi) CURRENT APPLICATION DATA:
     26
                  (A) APPLICATION NUMBER: US/09/972,912
C--> 27
                  (B) FILING DATE: 10-Oct-2001
C--> 28
                  (C) CLASSIFICATION:
     29
           (vii) PRIOR APPLICATION DATA:
     31
                  (A) APPLICATION NUMBER: 09/049,022
     32
                  (B) FILING DATE:
     33
     35
          (viii) ATTORNEY/AGENT INFORMATION:
                  (A) NAME: STEFFE, ERIC K.
     36
                  (B) REGISTRATION NUMBER: 36,688
     37
                  (C) REFERENCE/DOCKET NUMBER: 1488.0620001
     38
            (ix) TELECOMMUNICATION INFORMATION:
     40
                  (A) TELEPHONE: (202) 371-2600
     41
                  (B) TELEFAX: (202) 371-2540
     42
        (2) INFORMATION FOR SEQ ID NO: 1:
     45
             (i) SEQUENCE CHARACTERISTICS:
     47
                  (A) LENGTH: 2745 base pairs
     48
                  (B) TYPE: nucleic acid
     49
                  (C) STRANDEDNESS: double
     50
     51
                  (D) TOPOLOGY: linear
     53
            (ii) MOLECULE TYPE: DNA (genomic)
     56
            (ix) FEATURE:
     57
                  (A) NAME/KEY: CDS
                  (B) LOCATION: 233..1423
     58
            (ix) FEATURE:
     60
                  (A) NAME/KEY: sig_peptide
     61
                  (B) LOCATION: 233..328
     62
            (ix) FEATURE:
     64
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(A) NAME/KEY: mat_peptide

65

PATENT APPLICATION: US/09/972,912

Input Set : N:\Crf3\RULE60\09972912.raw
Output Set: N:\CRF3\01142002\1972912.raw

DATE: 01/14/2002

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	66 (B) LOCATION: 3291423																	
	69	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1: GCAGCGGCAC GGCAGCAGCG GCAACAAGTG CCGGACTAGC AGAGCCAAGC CGGAGCAGTC														60		
	/ <u>1</u>	GCAG	CGGC	AC G	CACC	CAGC	C CC	CCCC	AGIG CCTC	CGG	GGCG	CCG	CGCA	TGGA	GC G	TGAG	CTGCG	
	75	CCIC	TECCE	CG A	CCCT	GACC	c cc	.cgcc 'gcgg	AGCG	CCG	GGAC	GTG	GATG	TGGC	CG C	GATC'	TCCCG	180
	73	CCCT	71 CGC	CG G	CCCC	CGCC	G AG	CTGG	AGCT	GCT	CCCG	GAC	AAGA	TATG.	AG A	A AT	G	235
	78	CCCTTGCCCC CGCCCGCCG AGCTGGAGCT GCTCCCGGAC AAGATATGAG AA ATG Met																
	79															- 3	2	
	81	AGT	GTT	GGA	CGT	CGA	AGA	ATA	AAG	TTG	TTG	GGT	ATC	CTG .	ATG A	ATG	GCA	283
	82	Ser	Val	Gly	Arg	Arg	Arg	Ile	Lys	Leu	Leu	Gly	Ile	Leu :	Met 1	Met .	Ala	
W>	83		-30					-25					-20					
	85	AAT	GTC	TTC	ATT	TAT	TTT	ATT	ATG	GAA	GTC	TCC	AAA	AGC	AGT	AGC	CAA	331
	86	Asn	Val	Phe	Ile	Tyr	Phe	Ile	Met	Glu	Val	Ser	Lys	Ser	Ser	Ser	Gln	
W>	87	-15					-10					- 5					1	270
	89	GAA	AAA	AAT	GGA	AAA	GGG	GAA	GTA	ATA	ATA	CCC	AAA	GAG	AAG	TTC	TGG	379
		Glu	Lys	Asn	Gly	Lys	Gly	Glu	Val		Ile	Pro	Lys	Glu	Lys .	Рпе	ттр	
	91				5			a. a	<i>aa</i> ,	10	T C C	7 7 C	CCA	CAC	15	CAC	AAC	427
	93	AAG	ATA	TCT	ACC	CCT	CCC	GAG	GCA	TAC	TGG	AAC	Ara	Clu	Cln	GAG	T.V.C	427
		Lys	Ile		Thr	Pro	Pro	GIU	A1a 25	TYL	пр	ASII	Ary	30	GIII	GIU	цуз	
	95	ama	AAC	20	CAC	m x C	N N C	CCC		CTC	AGC	ΔТС	СТС		AAC	CAG	ACG	475
	9/	CTG	Asn	7.20	Cln	THE	Agn	Dro	Tle	T.eli	Ser	Met	Leu	Thr	Asn	Gln	Thr	
	99	Leu	35	AIG	GIII	1 Y 1	non.	40	110	LCu	001		45					
	101	GGG	G GAG	GCG	GGC	AGG	CTO		: AAT	ATA	A AGO	CAT	r ctg	AAC	TAC	TGC	GAA	523
	102	2 G1	y Glu	Ala	Gly	Arg	, Lei	ı Ser	Asn	ıle	e Sei	His	s Leu	Asn	Tyr	Cys	Glu	
	103	3 50)				5.5	5				6()				65	
	105	cc:	r GAC	CTG	AGG	GTC	ACC	G TCG	GTG	GTI	ACC	GG:	TTT T	AAC	AAC	TTG	CCG	571
	106	5 Pro	o Asp	Let	ı Arg	Val	Thi	r Ser	. Val	. Va]	LThi	Gl	y Phe	e Asn	Asn			
	107	7				70					75					80		610
	109	GA(C AGA	TTI	AAA 1	GAC	TT:	г сто	CTO	: TAT	TTC	AGA	A TGC	CGC	AAT	TAT	TCA	619
			p Arg	Phe) Phe	e Leu	Leu			ı Ar	g Cys	Arg	ASD	туг	Ser	
	111	L			85					90			ממג יי	ССТ	95 " TTC		יייכ	667
	113	3 CT	G CTT u Leu	ATA	A GAT	CAG	i CCC	GAT	AAG	Cur	I GCA	TTT	o Two	Dro	Dhe	T.e.ii	Leu	007
		_	u Leu	100) GII.	I PI	J ASE	, Буз 105		o Alc	т гр.	з цус	110		100		
	11:) 7 (*m/	- ccc	יידטע.	י אמר או	י ייירר	т Сто	ר אריז			יידיידי יו	r GC0	C AGA			GCA	ATC	715
	119	R T.e.	u Ala	T14	LVS	Ser	r Lei	ı Thr	· Pro	His	s Phe	e Ala	a Arc	Arq	Gln	Ala	Ile	
	119		115		- 110	, 501		120					125		,			
	121) 1 CG	G GAA	TC	TGG	GGC	CA			. AAC	C GCZ	A GG	G AAC	CAA	A ACG	GTG	GTG	763
	122	2 Ar	g Glu	Sei	r Trp	G15	g Gl	n Glu	ı Sei	Ası	n Ala	a Gl	y Asr	n Glm	n Thr	Val	Val	
	12:	3 13	0				13	5				14	0				145	
	12!	5 CG.	A GTO	TTC	CTG	CTC	G GG	C CAG	ACA	A CCC	C CC	A GA	G GAC	C AAC	CAC	CCC	GAC	811
	12	6 Ar	g Val	Phe	e Leu	ı Let	ı G1;	y Glr	Thi	r Pro	o Pro	o Gl	u Asp) Asn	n His	Pro) Asp	
	12	7				150					15					160		0.50
	12	9 CT	T TCF	A GA	T ATG	CTO	G AA	A TT	GA(G AG	T GA	G AA	G CAC	CAA	A GAC	: ATI	CTT	859
	13	0 Le	u Sei	Asp			ı Ly	s Phe	e Glu			ı Ly	s His	s Glr	n Asp	116	Leu	
	13	1			165					170		a mm	a mar	n ama	175		C TT C	907
	13	3 AT	G TGC	AA(C TAC	AGA	A GA	C ACI	- TT(J TT(AA	o TT	G TC.	r Tan	J AAG	GAF	GTG	307
	13	4 Me	t Tr	Ası	n Tyr	c Arg	J AS	p Tni	. hue	e Pne	e AS	ı re	u sei	L Let	л пув	, GIL	ı Val	

PATENT APPLICATION: US/09/972,912

DATE: 01/14/2002 TIME: 09:53:02

Input Set : N:\Crf3\RULE60\09972912.raw
Output Set: N:\CRF3\01142002\1972912.raw

			100					185					190				
135	стс	an an an	180	AGG	TCC	CTA	λСТ		TCC	TGC	CCA	GAC		GAG	ттт	GTT	955
13/	CIG	111	CIC	Arg	100	Val	COY	Thr	cor	Cue	Dro	Aen	Thr	Glu	Phe	Val	,,,,
	Leu		Leu	Arg	пр	val	200	1111	Ser	Cys	FIO	205	1111	Olu	1	, 41	
139	mmc	195	CCC	GAT	GAC	САТ		do do do	GTG	AAC	ACC		CAC	ATC	CTG	AAT	1003
141	Dha	AAG	Clar	Asp	Acn	Jan	Val	Dha	Val	Acn	Thr	His	His	Tle	Leu	Asn	
		Lys	GIY	ASP	ASP	215	Val	rne	vai	Non	220	1115	1115	110	Lea	225	
143		mm.c	א א ידי	AGT	יתי חי		λλC	A C C	מממ	GCC		GAT	СТС	ттс	АТА	-	1051
				Ser													
	тут	ьeu	ASII	ser	230	261	цуз	1111	цуз	235	ביום	пор	200		240	U -1	
147	CAT	CTC	אידיר	CAC		ССТ	GGA	ССТ	САТ		GAT	AAG	AAG	CTG	-	TAC	1099
150	Jan	Val	Tla	His	Acn	Δla	Glv	Pro	His	Ara	Asp	Lvs	Lvs	Leu	Lvs	Tvr	
151	АЗР	val	110	245	non	1114	011		250		-1.0 F	-1-	-1-	255	4	•	
	тас	ΔΤΟ	CCA	GAA	СТТ	GTT	TAC	тст		СТС	TAC	CCA	CCC	TAT	GCA	GGG	1147
154	Tur	Tle	Dro	Glu	Val	Val	Tvr	Ser	Glv	Leu	Tvr	Pro	Pro	Tyr	Ala	Gly	
155	1 Y 1	110	260	014	142		-1-	265	1		. 4		270	_		•	
	GGA	GGG		TTC	СТС	TAC	TCC		CAC	CTG	GCC	CTG	AGG	CTG	TAC	CAT	1195
158	Glv	Glv	Glv	Phe	Leu	Tvr	Ser	Glv	His	Leu	Ala	Leu	Arg	Leu	Tyr	His	
159	011	275	011			- 1 -	280	1				285			_		
	АТС		GAC	CAG	GTC	CAT		TAC	CCC	ATT	GAT	GAC	GTT	TAT	ACT	GGA	1243
162	Tle	Thr	Asp	Gln	Val	His	Leu	Tyr	Pro	Ile	Asp	Asp	Val	Tyr	Thr	Gly	
163						295		-			300	_		_		305	
		TGC	CTT	CAG	AAA	CTC	GGC	CTC	GTT	CCA	GAG	AAA	CAC	AAA	GGC	TTC	1291
166	Met	Cvs	Leu	Gln	Lvs	Leu	Gly	Leu	Val	Pro	Glu	Lys	His	Lys	Gly	Phe	
167		-1-			310		-			315		_			320		
	AGG	ACA	TTT	GAT	ATC	GAG	GAG	AAA	AAC	AAA	AAT	AAC	ATC	TGC	TCC	TAT	1339
170	Arg	Thr	Phe	Asp	Ile	Glu	Glu	Lys	Asn	Lys	Asn	Asn	Ile	Cys	Ser	${ t Tyr}$	
171	5			325				-	330					335			
173	GTA	GAT	CTG	ATG	TTA	GTA	CAT	AGT	AGA	AAA	CCT	CAA	GAG	ATG	ATT	GAT	1387
174	Val	Asp	Leu	Met	Leu	Val	His	Ser	Arg	Lys	Pro	Gln	Glu	Met	Ile	Asp	
175			340					345					350				
				CAG									TAA	AATA	GAT		1433
178	Ile	Trp	Ser	Gln	Leu	Gln	Ser	Ala	His	Leu	Lys	Cys					
179		355					360					365					
																CTCACA	1493
																TTGAGG	1553
																TTTTAA	1613
187	TTT	TATT	GGA	TGAT	ATGG	CA G	GATG	ATTG(G TT	CTGA'	TCTT	ACC	GGCT.	AGT	GGTC	ATTTTT	1673
189	AAA	AAAC'	TTG	TACC	CTCT	TA T	CTGA	AATC	C TG'	TTTC'	TGGA	ATT'	TGGC	CAT	TTTA	AGTGAT	1733
191	TTT	GTTT	GCC	CTCT'	rcta'	TA A	TATT	CCTA	CTT	CCCA'	TAAT	AAT	GACT	GAT	TTAT	TTGTAA	1793
																GGTTTT	1853
																TAGAAA	1913 1973
																CTGCCA	2033
																GACACT	2033
201	CAT	CTAA'	TTT	ATCT'	TGTT	GT G	ATGT	TATG	J TC.	ATAA'	TAAG	GAG.	MAAG. Ammm	C N N	STIT.	AATTTT	2153
																AGTGTG	2133
205	ATT	CCTT	AAT	GGCC	AACT	GA A	GATT	GAAT mama	ı GC	CGCT.	AACA CDDC	ACC.	GVVV	VCC VCT	TTTM:	GTGAAT	2213
207	TTT	CAAT.	ATG	GACC	AGGA.	AG G	CATA	z mmm. TGTA,	ייה ה ייה ה	I GAA	CIIG	AGT.	ᇄᄱᄱ	א שרש מטט	CCCV	AGTTAC	2333
209	AGA	CTTT	TGC	ATAG.	ATGG	TT T	GTCA.	ATTT	A AA	AIIC	CAGA	WII	TWIL	UII	GCCA	TATTTT	2333

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Input Set : N:\Crf3\RULE60\09972912.raw Output Set: N:\CRF3\01142002\1972912.raw

211	CACA	ATGCI	GC 1	TATA	CAAC	A TI	TATTA	ATTG <i>I</i>	A GTA	AGTA	ACTG	TTCC	CTG	CT A	ATGT <i>E</i>	AGAAGT	2393
	1 CACATGCTGC TTATACAAGA TTATTATTGA GTAGTAACTG TTCCCTGTCT ATGTAGAAGT 3 GCCTGTGTTT TTATTTATTG TTCCAGATCA AAGACCAAAA CATTTTCTTA AATATCTCTT 5 ATGTAATATT TTATTTGTAT ACAGTGTTGT TGATGAAATA TTTAACTAGA GCATGATATT													2453			
215	ATGI	TAAT	TT I	TAT	TGT	A TA	CAGTO	GTTGT	r TGA	TGA	ATA	TTTP	ACTA	AGA (GCAT	GATATT	2513
																ATTTG	2573
																ATGTAC	2633
																ATCAGA	2693
223	TGG	SATAC	CTG C	GGAT	TAT	AA A	CAATO	GAA <i>I</i>	A TA	AAGC	CACT	GTAT	TTTT	CAA A	AA		2745
226		INF															
228		(i)															
229									acio	ls							
230			•	•			no ac										
231							line										
233		(ii)								. D. N.							
235									SEQ I				T1.	T 0	Wot	Mot	
				Gly	Arg	Arg	Arg	-25	ьуs	Leu	Leu	GIY	-20	Leu	Met	мес	
	-32		-30	Dha	T1.	m	Dho		Wot	Clu	1721	Cor		cor	Car	Sar	
	Ala		Val	Pne	шe	TAL	-10	TTe	мес	GIU	vai	- 5	гуъ	ser	Ser	Ser	
241	C1 n	-15	T	ħ a n	C1**	Tvva		Clu	1751	Tlo	T10	_	Lve	Glu	Lys	Dhe	
243	1	GIU	цуѕ	ASII	G1 y	гуз	СТУ	Giu	vai	10	110	110	цуз	Olu	15	1110	
		Twe	T10	Sar	_	Pro	Pro	Glu	Δla		Trn	Asn	Ara	Glu	Gln	Glu	
247	111	цуз	116	20	1111	110	110	OIG	25	- 1 -	111		•••	30	0111	024	
	Lvs	T.em	Asn		Gln	Tvr	Asn	Pro		Leu	Ser	Met	Leu		Asn	Gln	
250	LJS	пса	35	9	0111	- 1 -		40					45				
	Thr	Glv		Ala	Glv	Arq	Leu		Asn	Ile	Ser	His	Leu	Asn	Tyr	Cys	
253		50			4	,	55					60			-	_	
	Glu		Asp	Leu	Arq	Val	Thr	Ser	Val	Val	Thr	Gly	Phe	Asn	Asn	Leu	
	65		•			70					75					80	
258	Pro	Asp	Arg	Phe	Lys	Asp	Phe	Leu	Leu	Tyr	Leu	Arg	Cys	Arg	Asn	Tyr	
259					85					90					95		
261	Ser	Leu	Leu	Ile	Asp	Gln	Pro	Asp	Lys	Cys	Ala	Lys	Lys	Pro	Phe	Leu	
262				100					105					110		_	
	Leu	Leu		Ile	Lys	Ser	Leu		Pro	His	Phe	Ala		Arg	Gln	Ala	
265			115			_		120	_				125		-1	** 1	
	Ile		Glu	Ser	Trp	Gly		Glu	Ser	Asn	Ala		Asn	GIn	Thr	Val	
268		130		_,	_	_	135	a1	rm la co	D	D	140	3	3	77.5	Dmo	
		Arg	Val	Phe	Leu		GIY	GIn	Thr	Pro		GIU	Asp	ASII	His	160	
	145	T	0	7 ~~	Ma+	150	T	Dha	C1.,	Cor	155	Tvc	uic	Cln	λan		
	ASP	Leu	ser	ASP	165	Leu	гуѕ	Pne	GIU	170	GIU	гуэ	птэ	GIII	Asp 175	116	
274	T 011	Mot	m mm	7 cn		λνα	λαη	Thr	Dho		Δen	T.011	Sar	T.e.u	Lys	Glu	
277	Leu	Met	пр	180	тут	nry	изр	1111	185	1110	ASII	пси	DCI	190	1,5	Olu	
	Va 1	LOU	Dho		Δra	Trn	Val	Ser		Ser	Cvs	Pro	Asn		Glu	Phe	
280	vai	цец	195	пси	nrg	111	141	200	1111	001	CID	110	205		014		
	Va l	Phe		Glv	Asp	Asp	Asp		Phe	Val	Asn	Thr		His	Ile	Leu	
283	, u 1	210	2,5	O+1			215					220					
	Asn		Leu	Asn	Ser	Leu		Lvs	Thr	Lvs	Ala		Asp	Leu	Phe	Ile	
	225	- 4 -				230		_		4	235	•	-			240	
		Asp	Val	Ile	His		Ala	Gly	Pro	His	Arq	Asp	Lys	Lys	Leu	Lys	
	-	-						-			_	_	-	-			

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Input Set : N:\Crf3\RULE60\09972912.raw Output Set: N:\CRF3\01142002\I972912.raw

200					245					250					255		
289	T	T	Tlo	Dro		Val	Val	Tyr	Ser		Leu	Tvr	Pro	Pro	Tyr	Ala	
	TAT	1 7 1	116	260	Gru	Vul	, uı	- 1 -	265	011		- 1 -		270	•		
292	C111	C111	Glv		Dhe	Leu	Tvr	Ser		His	Leu	Ala	Leu	Arq	Leu	Tyr	
	GIA	СТУ	275	GIY	riic	LCu	- I -	280	011				285	,		-	
295	TT 2 -	T10	2/J	A an	Cln	Ual	цiс	Leu	Tur	Pro	Tle	Asp		Val	Tvr	Thr	
	HIS		LIII	ASP	GIII	val	295	Leu	1 7 1	110	110	300			- 1 -		
298	- 1	290	G	T	<i>a</i> 15	T 110		Gly	LOU	Val	Dro		Lvs	His	Lvs	Glv	
		мет	Cys	Leu	GIII		Leu	GIY	теа	Val	315	Olu	110	1110	2,2	320	
301	305	_	1	5 .1	3	310	c1	C1	Two	N c n		λen	Δen	Tle	Cvs		
	Phe	Arg	Thr	Pne		TTe	GIU	Glu	гуз	330	цуз	HSII	non.	110	335	001	
304				_	325	_	**- 1	*** -	0			Dro	Cln	Clu		Tle	
306	Tyr	Val	Asp		Met	Leu	Val	His	ser	AIG	гуз	PIO	GIII	350	nec	110	
307				340				_	345	** · -	T	T	Crra				
309	Asp	Ile		Ser	GIn	Leu	Gin	Ser	Ala	HIS	ьeu	ьуѕ	Cys				
310			355					360					365				
312	2 (2) INFORMATION FOR SEQ ID NO: 3:																
314	202																
315	(A) LENGTH: 323 amino acids																
316	(B) TYPE: amino acid																
317																	
318	3.1																
320																	
325		(xi) SE	QUEN	CE DI	ESCR:	IPTI	ON: S	SEQ	ID N	0: 3	:					
327		Gli	n Sei	r Lys	His	s Ar	g Ly:	s Lei	ı Le	u Le	u Ar	g Cy	s Le	u Le	u Va	l Le	u Pro
328		1				5					10					15	
330		Lei	u Il	e Lei	ı Lei	ı Va	l As	р Туз	r Cy	s Gl	y Le	u Le	u Th	r Hi	s Le	u Hi	s Glu
331					20					25					30		
333		Lei	ı As:	n Phe	e Glu	ı Ar	y Hi	s Phe	e Hi	s Ty	r Pr	o Le	u As	n As	p As	p Th	r Gly
334				35					40					45			
336		Se	r Gl	v Se	r Ala	a Se	r se	r Gl	y Le	u As	р Гу	s Ph	e Al	а Ту	r Le	u Ar	g Val
337			50					55					60				
339		Pro	o Se	r Ph	e Thi	r Ala	a Gl	u Vai	l Pr	o Va	l As	p Gl	n Pr	o Al	a Ar	g Le	u Thr
340		65					70					75					80
342		Me	t Le	u Il	e Lva	s Se	r Al	a Val	l Gl	y As	n Se	r Ar	g Ar	g Ar	g Gl	u Al	a Ile
343						85				_	90					95	
345		Ar	a Ar	a Th	r Tr	o Gl	v Tv	r Gl	u Gl	y Ar	g Ph	e Se	r As	p Va	l Hi	s Le	u Arg
346			-		10	0				10	5				11	0	
348		Δr	σ Va	l Ph	e Le	ı Le	u Gl	v Th	r Al	a Gl	u As	p Se	r Gl	u Ly	s As	p Va	l Ala
349		211	9 , 4	11	5			2 -	12	0		-		12	:5		
351		ТΥ	n G1	n Se	r Ar	a Gl	n Hi	s Gl	v As	r Il	e Le	eu Gl	n Al	a As	p Ph	e Th	r Asp
352		11	13			5 0-		13		L			14	. 0			
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364				19)				20	· U				2 (, ,		

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/972,912

DATE: 01/14/2002 TIME: 09:53:03

Input Set : N:\Crf3\RULE60\09972912.raw
Output Set: N:\CRF3\01142002\I972912.raw

L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:] L:83 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1

L:87 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1